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RELIABILITY PREDICTION

Model : D-120 Data:2000-01-12

Style	Part Type	Q'ty	λ_g	π_Q	λ_{eg}	%
9.1	Resistor-Film, Insulated (RL)	45	0.003700	10	1.665000	45.427
9.1	Resistor-Wirewound Power (RW)	1	0.008500	10	0.085000	2.319
9.1	Resistor-Film, Variable (RVC)	1	0.040000	10	0.400000	10.913
9.1	Resistor-Thermistor (RTH)	1	0.001400	10	0.014000	0.382
10.1	Capacitor-Metal, Plastic (CH)	6	0.000510	10	0.030600	0.835
10.1	Capacitor-Ceramic(Gen.) (CK)	11	0.001700	10	0.187000	5.102
10.1	Capacitor-Aluminum Dry (CE)	14	0.001300	10	0.182000	4.966
6.1	Diode-Gen. Purpose Analog	2	0.003600	8	0.057600	1.572
6.1	Diode-Switching	13	0.000940	8	0.097760	2.667
6.1	Diode-Fast Recovery Power Rectifier	2	0.023000	8	0.368000	10.040
6.1	Diode-Power Rectifier / Schottky Power	6	0.002800	8	0.134400	3.667
6.1	Diode-Voltage Ref/Reg. (Avalanche & Zener)	4	0.003300	8	0.105600	2.881
6.1	Diode-Transient Suppressor/Varistor	2	0.002900	8	0.046400	1.266
6.10	Diode-Thyristor/SCR	1	0.002500	8	0.020000	0.546
6.3	Transistor-NPN/PNP	3	0.000150	8	0.003600	0.098
6.3	Transistor-Power NPN/PNP	2	0.005700	8	0.091200	2.488
6.11	OPTO-Emitter	1	0.000470	8	0.003760	0.103
5.1	Linear Microcircuits	1	0.009500	10	0.095000	2.592
11.1	Transformer Switching	1	0.000610	3	0.001830	0.050
11.2	Coil Fixed inductor or choke	7	0.000032	3	0.000672	0.018
17.1	Single Connections-Reflow solder	312	0.000069	1	0.021528	0.587
17.1	Fuses Clip-Clip Termination	2	0.000120	1	0.000240	0.007
22.1	Fuses	1	0.010000	1	0.010000	0.273
16.1	Plated Through Hole Circuit Boards	1	0.022000	2	0.044000	1.200
Total Failure rate:					3.665190	100%

- **Data Base: MIL-HDBK-217F ,Notice 2, Parts Count**
- **Env.: GB**

MTBF: 272837.15 **hrs**

Approved by: David Wang Compiled by: Kim Tseng .